

STREAMLINED FLOW VALVES INSIDE SCREW WITH BELLOWS NODULAR CAST IRON GGG 40.3

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VA 110

INTERCEPTION STREAMLINED FLOW VALVE INSIDE SCREW with BELLOWS PN16 FLANGED - GGG 40.3 - Metal seated



The nodular cast iron body is submitted to adistension heat treatment for use

Application : steam - diathermic oil

Body : nodular cast iron GGG40.3
EN-GJS-400-18-LT (JS-1025)

Bellows : AISI 421 (X6 CrNiTi 18 10)

Stem/Shaft : AISI 321(X20 Cr13)

Gasket : Graphite

Disc
DN 15 > 125 : X20 Cr13
DN 150 > 300 : C22.8+X5CrNi 1810

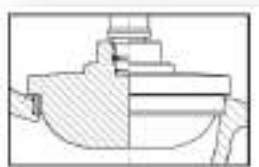
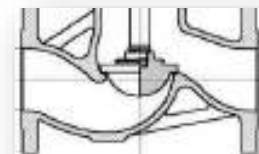
Seat
DN 15 > 125 : X20 Cr13
DN 150 > 300 : St52.3+X5CrNi1810

Connections : UNI PN 16 flanged

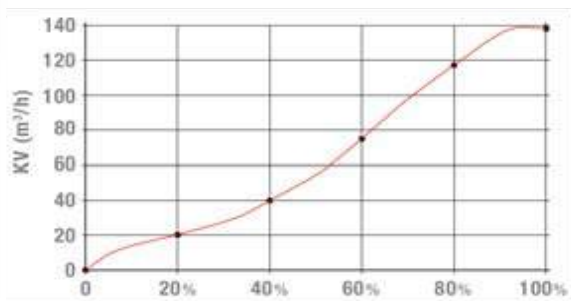
Code	DN	L	H	KV	Kg
VA11004	15	130	157	5	3
VA11005	20	150	165	7	3,7
VA11006	25	160	182	11	4,4
VA11007	32	180	191	17	6,1
VA11008	40	200	214	27	9,1
VA11009	50	230	234	43	11
VA11010	65	290	286	78	19
VA11011	80	310	331	111	22
VA11012	100	350	350	177	28
VA11013	125	400	384	262	42
VA11014	150	480	450	368	57
VA11015	200	600	510	664	104
VA11016	250	730	650	###	172

VA 111

MANUAL CONTROL VALVE with BELLOWS - INSIDE SCREW - with Regulating disc GGG 40.3 - PN 16 FLANGED



Unlike article VA110 this valve has a parabolic shutter that allows the flow control to be proportional to the number of turns of the handwheel



Code	DN	L	H	KV	Kg
VA11104	15	130	157	5	3
VA11105	20	150	165	7	3,7
VA11106	25	160	182	11	4,4
VA11107	32	180	191	17	6,1
VA11108	40	200	214	27	9
VA11109	50	230	234	43	11
VA11110	65	290	286	78	19
VA11111	80	310	331	111	22
VA11112	100	350	350	177	28
VA11113	125	400	384	262	42
VA11114	150	480	450	368	57
VA11115	200	600	510	664	104
VA11116	250	730	650	###	172

VA 115

STREAMLINED FLOW VALVE INSIDE SCREW with BELLOWS FLANGED - GGG 40.3 - Metal seated

PN25



VA 115.. Interceptor valve

VA 116.. Control valve

The nodular cast iron body is submitted to adistension heat treatment for use

Application : steam - diathermic oil

Body : nodular cast iron GGG40.3
EN-GJS-400-18-LT (JS-1025)

Bellows : AISI 421 (X6 CrNiTi 18 10)

Stem/Shaft : AISI 321(X20 Cr13)

Gasket : Graphite

Disc
DN 15 > 100 : AISI 304
DN 125 > 250 : Acc. C + AISI 304

Seat
DN 15 > 125 : AISI 304
DN 150 > 250 : Acc. C + AISI 304

Connections : UNI PN 25 flanged

codice	DN	L	H	KV	Kg
VA...04	15	130	157	5	3
VA...05	20	150	165	7	4,1
VA...06	25	160	182	11	4,4
VA...07	32	180	191	17	6,5
VA...08	40	200	214	27	9,3
VA...09	50	230	234	43	12
VA...10	65	290	286	78	19
VA...11	80	310	331	111	22
VA...12	100	350	350	177	30
VA...13	125	400	384	262	44
VA...14	150	480	450	368	64
VA...15	200	600	510	664	107

STREAMLINED FLOW VALVES OUTSIDE SCREW WITH BELLOWS CAST IRON

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VA 150

STREAMLINED FLOW VALVES OUTSIDE SCREW with BELLOWS in GG25 in GGG40.3 - PN16 flanged



Application	: water - steam - oil
Body	: see below remark
Bellows	: AISI 421 (X6 CrNiTi 18 10)
Stem/Shaft	: AISI 321(X20 Cr13)
Gaskets	: Graphite
Disc	DN 15 > 125 : X20 Cr13 DN 150 > 300 : C22.8+X5CrNi 18 10
Seat	DN 15 > 125 : X20 Cr13 DN 150 > 300 : St52.3+X5CrNi18 10
Connections	: UNI PN 16 flanged

Code	DN	L	H	KV	Kg
VA...04	15	130	217	5	3,8
VA...05	20	150	219	7	4,5
VA...06	25	160	230	11	5,3
VA...07	32	180	233	17	6,9
VA...08	40	200	258	27	10
VA...09	50	230	260	43	12
VA...10	65	290	353	78	21
VA...11	80	310	358	111	24
VA...12	100	350	380	177	31
VA...13	125	400	391	262	46
VA...14	150	480	469	368	60
VA...15	200	600	582	664	113
VA...16	250	730	750	###	180
VA...17	300	850	770	###	240

*Remark	CODE	
Body	GG25	GGG40.3
Interception	VA 150..	VA 161..
Control	VA 151..	VA 162..
Soft sealing seat	VA 152..	-

VA 170

STREAMLINED FLOW VALVES OUTSIDE SCREW with BELLOWS



Application	: Steam - Diathermic oil
Body	: GGG40.3 (EN.GJS.400.18.LT)
Bellows	: AISI 421 (X6 CrNiTi 18 10)
Stem	: AISI 321(X20 Cr13)
Gaskets	: Grafite
Disc	DN 15 > 125 : X20 Cr13 DN 150 : C22.8+X5CrNi 18 10
Seat	DN 15 > 125 : X20 Cr13 DN 150 : St52.3+X5CrNi18 10

Code	DN	L	H	KV	Kg
VA...04	15	130	217	5	3,8
VA...05	20	150	219	7	4,8
VA...06	25	160	230	11	5,3
VA...07	32	180	233	17	6,9
VA...08	40	200	258	27	10
VA...09	50	230	260	43	12
VA...10	65	290	353	78	21
VA...11	80	310	358	111	23
VA...12	100	350	380	177	33
VA...13	125	400	391	262	48
VA...14	150	480	469	368	67
VA...15	200	600	620	664	113

Code	Description
VA 171..	Interception
VA 172..	Control

VA 180

STREAMLINED FLOW VALVES OUTSIDE SCREW PN40 flanged



Application	: water - steam - oil
Body	: see below remark
Bellows	: AISI 421 (X6 CrNiTi 18 10)
Stem/shaft	: AISI 321(X20 Cr13)
Gaskets	: Graphite
Disc	DN 15 > 100 : X20 Cr13 DN 125 > 250 : C22.8+X5CrNi 18 10
Seat	: X5CrNi18 10

Code	DN	L	H	KV	Kg
VA...04	15	130	230	4,8	4,5
VA...05	20	150	233	7,6	5,0
VA...06	25	160	240	12	6,5
VA...07	32	180	248	18	9
VA...08	40	200	277	28	13
VA...09	50	230	287	44	15
VA...10	65	290	373	81	25
VA...11	80	310	377	115	30
VA...12	100	350	410	184	43
VA...13	125	400	458	272	68
VA...14	150	480	516	382	95
VA...15	200	600	633	690	181
VA...16	250	730	785	###	265

CODE	Description	Body
VA 180..	Interception	Carbon steel
VA 181..	Control	
VA 185..	Interception	AISI316
VA 186..	Control	

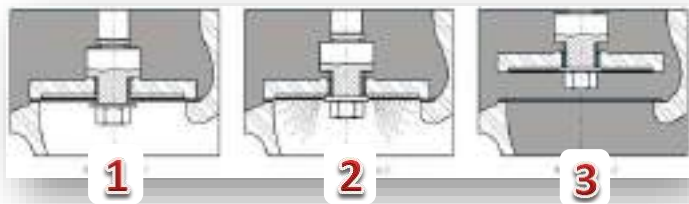
VA 190

BALANCED DISC

DN	100	125	150	200	250	300
bar	44	30	21	14	9	6

Balanced disc is available only for streamlined flow valves outside screw with bellows and it is essential when the flow pressure exceed the value indicated in the previous table

- Step 1** Valve is completely closed
- Step 2** The opening of the first bolt (that smaller) and thebalancing of the inside pressure of the valve
- Step 3** Valve is completely opened



4.10

**STREAMLINED FLOW VALVES OUTSIDE SCREW
with PACKING (traditional type)
STRAIGHT WAY - ANGULAR SQUARE WAY**



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VA 201

STREAMLINED FLOW VALVES OUTSIDE SCREW WITH PACKING - in GG 25 - PN16 FLANGED



STRAIGHT WAY



ANGULAR SQUARE WAY

Application : water - steam - oil
Body : GG25 (EN-GJL-250)
Sealling : packing with graphite
Seat : stainless steel
Stem/shaft : AISI 321(X20 Cr13)
Gaskets : Asbestos free
Connections : UNI PN 16 flanged

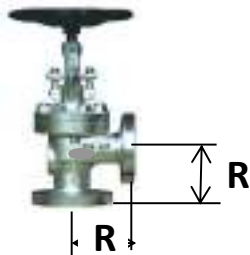
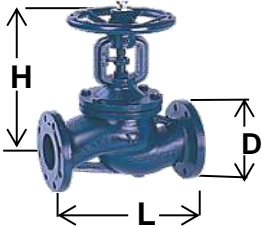
CODE	BODY	DESCRIPTION
STRAIGHT WAY		
VA201..	GG25	Interceptor valve PN 16
VA202..		soft sealling PN16
VA203..		Control Valve PN16

ANGULAR SQUARE WAY		
VA205..	GG25	di intercettazione PN 16
VA206..	GG40.3	di intercettazione PN 16

Code	DN	L	H	D	R	Kg
VA ... 04	15	130	188	95	90	3
VA ... 05	20	150	188	105	95	4
VA ... 06	25	160	196	115	100	5
VA ... 07	32	180	207	140	105	7
VA ... 08	40	200	254	150	115	10
VA ... 09	50	230	266	165	125	12
VA ... 10	65	290	300	185	145	17
VA ... 11	80	310	336	200	155	23
VA ... 12	100	350	377	220	145	33
VA ... 13	125	400	430	250	200	47
VA ... 14	150	480	474	285	225	63
VA ... 15	200	600	607	340	275	114
VA ... 16	250	730	670	405	325	175
VA ... 17	300	850	750	460	375	220

VA 210

STREAMLINED FLOW VALVES OUTSIDE SCREW WITH PACKING - PN40 FLANGED



Application : water - Steam - oil
Seal : packing with graphite
stem & Seat : AISI 321(X20 Cr13)
Gaskets : Asbestos free
Connections : UNI PN 40 flanged

CODE	BODY	DESCRIPTION
STRAIGHT WAY		
VA210..	Carbon	interception valve PN40
VA213..	steel	control valve PN40

VA250..	AISI 316	interception valve PN40
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ANGULAR SQUARE WAY		
VA215..	C. steel	interception valve PN40

Code	DN	L	H	D	R	Kg
VA ... 04	15	130	198	95	90	4
VA ... 05	20	150	198	105	95	4
VA ... 06	25	160	198	115	100	5
VA ... 07	32	180	273	140	105	11
VA ... 08	40	200	292	150	115	12
VA ... 09	50	230	295	165	125	18
VA ... 10	65	290	345	185	145	30
VA ... 11	80	310	395	200	155	36
VA ... 12	100	350	445	235	145	51
VA ... 13	125	400	500	270	200	63
VA ... 14	150	480	575	300	225	86
VA ... 15	200	600	680	375	275	175
VA ... 16	250	730	740	450	325	250
VA ... 17	300	850	780	515	375	320

VA 221

STREAMLINED FLOW VALVES OUTSIDE SCREW WITH PACKING - PN100 FLANGED



PN 100 VALVE

Application : water - steam - oil
Body : Carbon steel
Seal : packing with graphite
Atem & seat : AISI 321(X20 Cr13)
Gasket : Asbestos free
Connection : UNI PN 100 flanged

WORKING PRESSURE								
DN	80	100	125	150	200	250	300	400
BAR	64	44	30	21	14	9	6	3

code	DN	L	H	D	Kg
VA22104	15	210	275	105	10
VA22105	20	220	300	130	14
VA22106	25	230	315	140	16
VA22107	32	250	345	155	20
VA22108	40	260	385	170	25
VA22109	50	300	405	195	42
VA22110	65	340	435	220	60
VA22111	80	380	450	230	75
VA22112	100	430	495	265	105
VA22113	125	500	560	315	155
VA22114	150	550	645	355	225
VA22115	200	650	725	430	360
VA22116	250	850	805	505	480
VA22117	300				730